

Course Material

Data Wrapper

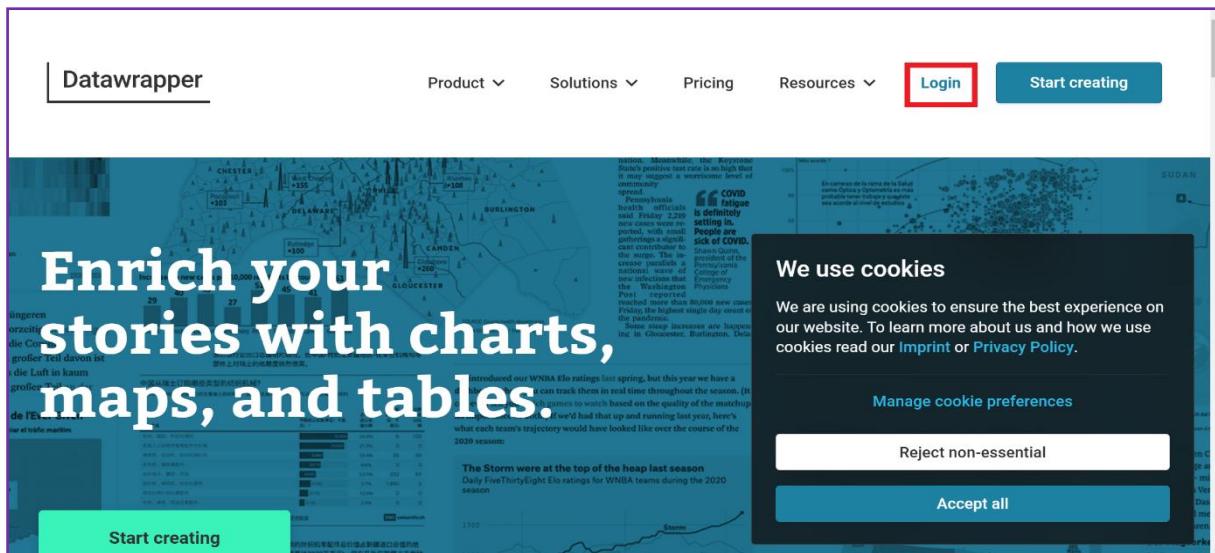
Table of Contents

Installation.....	1
Datawrapper – User guide	1
Chart Creation	1
Map Creation.....	8

Installation

Sign Up/Log In:

1. Go to <https://www.datawrapper.de/>
2. Sign up using Email, Google, GitHub or X
<https://app.datawrapper.de/signup>



Datawrapper – User guide

Chart Creation

1. Click on the Dashboard button after logging in successfully.

Datawrapper

Product Solutions Pricing Resources **Dashboard**



The screenshot shows the Datawrapper dashboard with several examples of visualizations. One prominent example is a map of the US Northeast titled "Enrich your stories with charts, maps, and tables." Another example is a scatter plot titled "COVID fatigue is definitely setting in." Other charts include a bar chart for NBA Elo ratings, a line graph for WNBA Elo ratings, and a map of Germany.

2. Download Region Vs Sales excel file from the link.

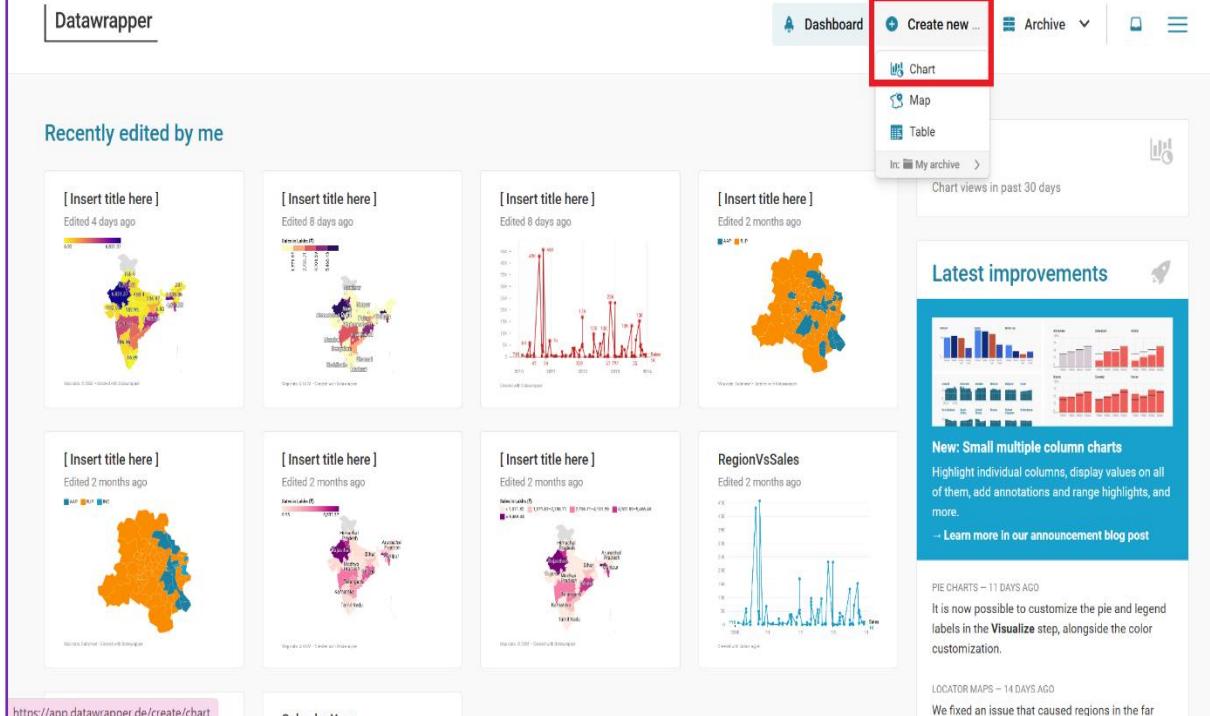
https://docs.google.com/spreadsheets/d/13_YfvtaysaFKSk0IS2-SUXM0_oZrayzw/edit?usp=drive_link&ouid=110629829119592692466&rtpof=true&sd=true

3. Click on **Create new → Chart** and copy-paste the table data into Datawrapper. Alternatively, you can upload XLS/CSV files, connect a **Google Sheet**, or link to **external data sources**. Click on **Proceed** after pasting the content.

Datawrapper

Dashboard Create new ... Archive Chart Map Table In: My archive > Chart views in past 30 days

Recently edited by me



The screenshot shows the Datawrapper interface with the 'Create new' menu open, highlighting the 'Chart' option. Below the menu, there are thumbnails of recently edited charts, including a map of India, a locator map of the US, a line chart of NBA Elo ratings, a map of Germany, and a bar chart of Region Vs Sales. A sidebar on the right displays 'Latest improvements' related to small multiple column charts and pie charts.

This chart is in  My archive

1 Upload Data **2 Check & Describe** **3 Visualize** **4 Publish & Embed**

How do you want to upload your data?

 Copy & paste data table  XLS/CSV upload  Connect Google Sheet  Link external data

Copy & paste your data

Select your data (including header row/column) in Excel or LibreOffice and paste it in the text field. You can also upload a CSV or Excel file from your computer.

If you just want to try Datawrapper, here's a list of some example datasets you can use:

Select a sample dataset ▾

Region	Sales	Order Date
East	6.93	2/28/2013
East	312.3	8/7/2011
Central	2634.86	3/18/2013
Central	281	3/18/2013
East	2983.45	9/19/2011
East	2247.84	9/19/2011
West	6831.37	12/18/2010
West	14.96	1/24/2012
West	15.69	1/24/2012
Central	1035.86	12/15/2013
East	468.4	12/26/2012
Central	236.87	9/28/2010

 Proceed →

Here you can access past versions of your visualizations after you made edits. Versions will be created...

- every time the visualization is published
- after a certain amount of edits have been made
- when the visualization type has been changed
- when you are finished with editing and no edits are made for some time

4. Check for any errors, and click on **Proceed** if no issues are found.

1 Upload Data **2 Check & Describe** **3 Visualize** **4 Publish & Embed**

Make sure the data looks right

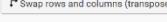
Please make sure that Datawrapper interprets your data correctly. In the table, **number** columns should be shown in blue, **dates** in green and **text** in black. A **red** cell indicates a problem in your dataset that needs to be fixed. **-** cells contain no data.

First row as label

Output locale
Defines decimal and thousand separators as well as translation of month and weekday names.

English (en-US) ▾

Region	A	B	C
East	468.4	Wednesday, December 26, 2012	
Central	236.87	Monday, September 20, 2010	
Central	378.91	Monday, September 28, 2010	
Central	4,976.92	Monday, September 28, 2010	
East	552.03	Sunday, October 28, 2013	
East	5,297.03	Sunday, October 28, 2013	
Central	155.9	Sunday, June 17, 2012	
Central	1,481.84	Sunday, June 17, 2012	
Central	586.95	Sunday, November 21, 2010	
East	568.51	Tuesday, March 01, 2011	
East	189.95	Tuesday, March 01, 2011	
East	3,761.12	Sunday, September 25, 2011	
Central	243.37	Sunday, October 07, 2012	
East	5,913.35	Wednesday, May 05, 2010	
-	-	-	

 Swap rows and columns (transpose)  Add column...  Revert changes...

 Back  Proceed →

Past versions are retained for 30 days and then automatically deleted. The last published version () will remain available to reuse indefinitely.

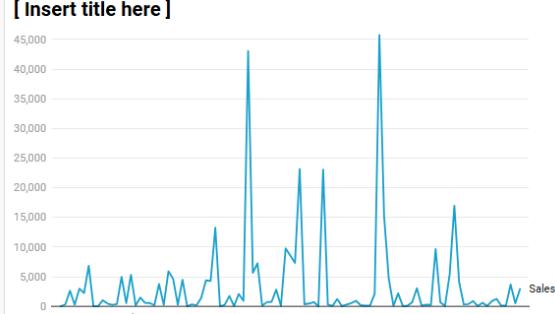
5. Choose a chart type for visualization and click on **Proceed** to generate the chart.

1 Upload Data ✓ 2 Check & Describe ✓ 3 Visualize 4 Publish & Embed

Chart type Refine Annotate Layout

Lines (highlighted with a red box)

[Insert title here]



Get the data • Created with Datawrapper

PREVIEW

Size (px) 600 396 Colorblind check None Dark Mode

Hint: In case the visualization doesn't look like you expected, you should try to transpose the data.

← Back Proceed →

6. All styling options are available under the **Refine** tab.

1 Upload Data ✓ 2 Check & Describe ✓ 3 Visualize 4 Publish & Embed

Refine (highlighted with a red box)

Horizontal axis

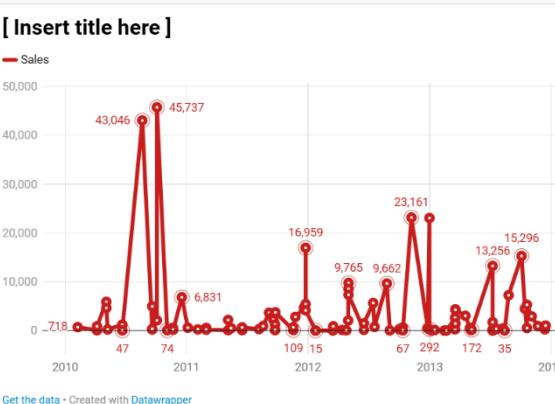
Select column Order Date
Custom range 2010 - 2014
Custom ticks e.g. 2000, 2005, 2012
Date format 2015, 2016
Grid Lines Ticks Off

Vertical axis

Scale type Linear Logarithmic
Custom range 0 - 50000
Custom ticks e.g. 10, 20, 50
Number format 10,000
Grid Lines Ticks Off
Labels Auto Inside
 Outside Off
 Left Right

Customize line

[Insert title here]



Get the data • Created with Datawrapper

PREVIEW

Size (px) 600 404 Colorblind check None Dark Mode

Customize line

Color: █ Show outline

Interpolation: Linear

Width:

Dash:

Label: As legend Next to line None
Sales

Show value labels

Number format: Same as vertical axis

Line ends: First Last

Labels per line: 20

Outline labeled data points

Use line color

Show line symbols

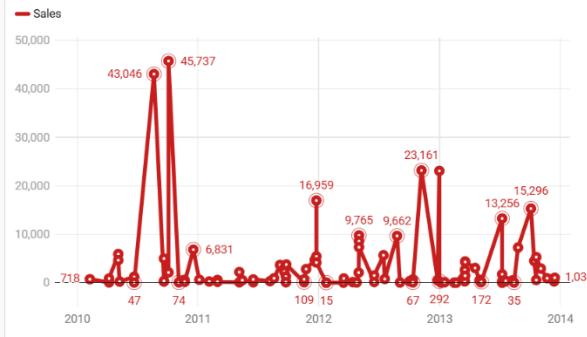
Symbol: Circle

Show on: First & Last First Last All

Style: Filled Hollow

Size: 3.5

[Insert title here]



Sales

Year	Sales
2010	718
2011	43,046, 6,831
2012	16,959, 109, 15
2013	23,161, 67, 292
2014	13,256, 35, 15,296, 1,036

Get the data • Created with Datawrapper

Size: 3.5

Opacity: 1

Fill areas

Fill area below line

Tooltips

Show tooltips on hover

Dates format (horizontal axis): Same as horizontal axis

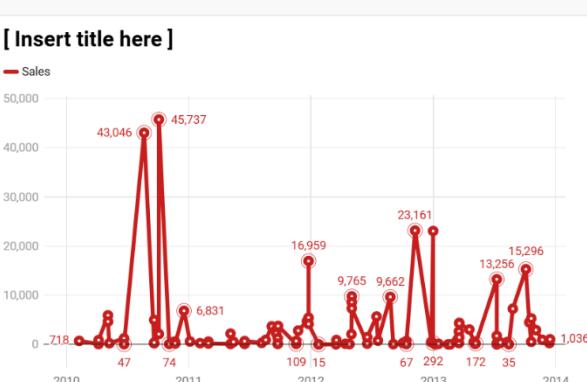
Values format (vertical axis): Same as vertical axis

Appearance

Plot height: Fixed Based on width %

Label margin: 0 px (0 = auto)

[Insert title here]



Sales

Year	Sales
2010	718
2011	43,046, 6,831
2012	16,959, 109, 15
2013	23,161, 67, 292
2014	13,256, 35, 15,296, 1,036

Get the data • Created with Datawrapper

← Back
Proceed →
→ Next

7. Chart title and other references can be added using the **Annotate** tab.

Chart type **Refine** **Annotate** **Layout**

Title hide

Description
2010-2014 Sales Data

Notes
Test

Data source **Link to data source** <https://www.test.com/>

Byline
Test

Alternative description for screen readers

Text annotations [+ Add text annotation](#)

Highlight range [+ Add range highlight](#)

[← Back](#) [Proceed →](#)

PREVIEW [Size \(px\)](#) 600 450 [None](#) [Colorblind check](#) [Dark Mode](#)

8. More customization options are available on the **Layout** tab, including the **Embed link** and **Social media share buttons**.

Chart type **Refine** **Annotate** **Layout**

Output locale
Defines decimal and thousand separators as well as translation of month and weekday names.

Layout

Theme

Show logo [?](#)

Automatic dark mode [?](#)

Use the same colors in dark mode [?](#)

Footer

Data download

Image download options

PNG PDF SVG

Embed link

Datawrapper attribution [↑](#)

Upgrade your account to disable the [Created with Datawrapper](#) attribution.

Training
2010-2014 Sales Data
Sales

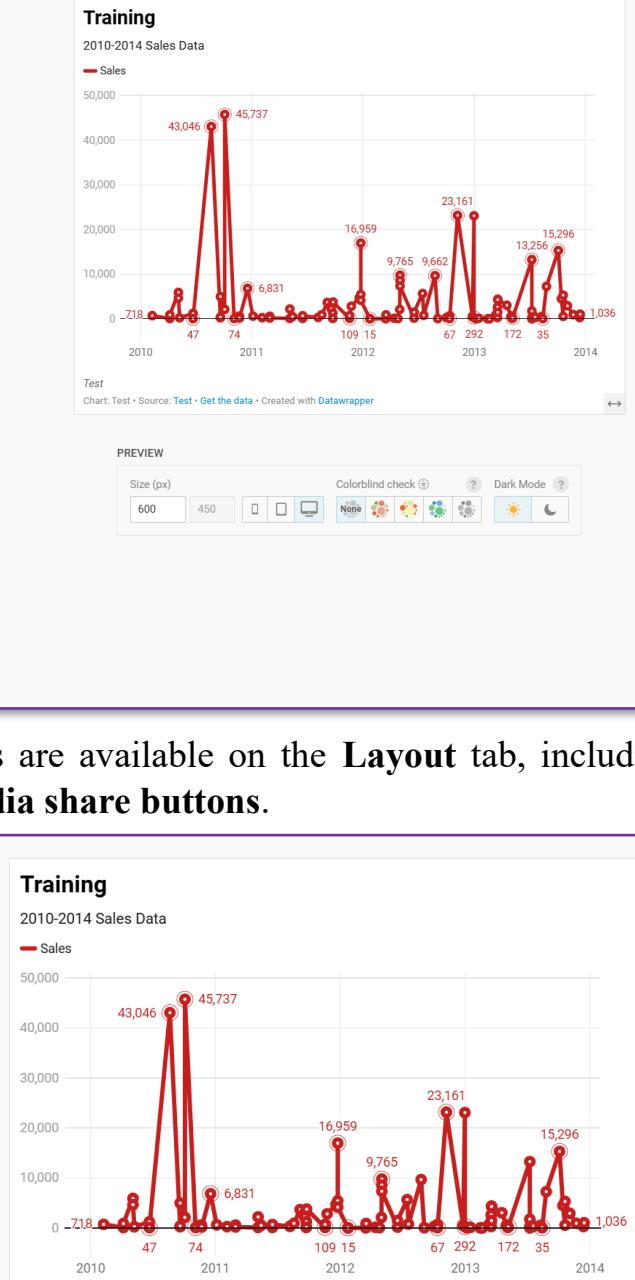


Chart: Test • Source: [Test](#) • Get the data • [Download Image](#) • Created with [Datawrapper](#)

PREVIEW [Size \(px\)](#) 600 431 [None](#) [Colorblind check](#) [Dark Mode](#)

[f](#) [in](#) [X](#)

Automatic dark mode ?
 Use the same colors in dark mode ?

Footer

Data download
 Image download options
 PNG PDF SVG
 Embed link
 Datawrapper attribution ↑
 Upgrade your account to disable the Created with Datawrapper attribution.

Share buttons

Social media share buttons
 Share site chart is embedded In
 Share chart URL
 Manually enter URL

[← Back](#) **Proceed →**

Training
 2010-2014 Sales Data
 — Sales

 Test
 Chart: Test • Source: [Test](#) • Get the data • Embed • Download image • Created with [Datawrapper](#) ↗

PREVIEW
 Size (px) 600 431 Colorblind check ⓘ ? Dark Mode ?


9. Click on **Publish now** to publish the chart in the dashboard community.

1 Upload Data ✓ **2 Check & Describe ✓** **3 Visualize ✓** **4 Publish & Embed**

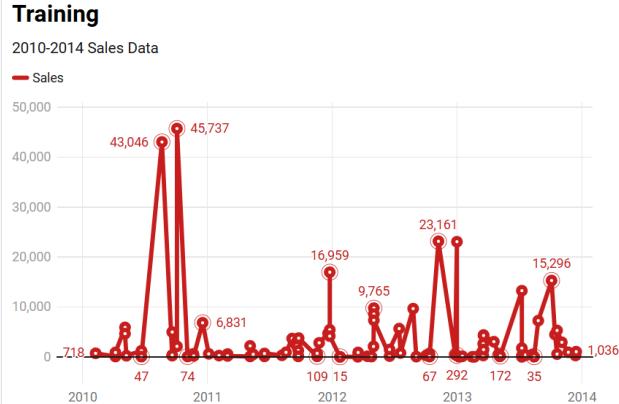
Publish visualization

Your visualization is not published. **Publish now**

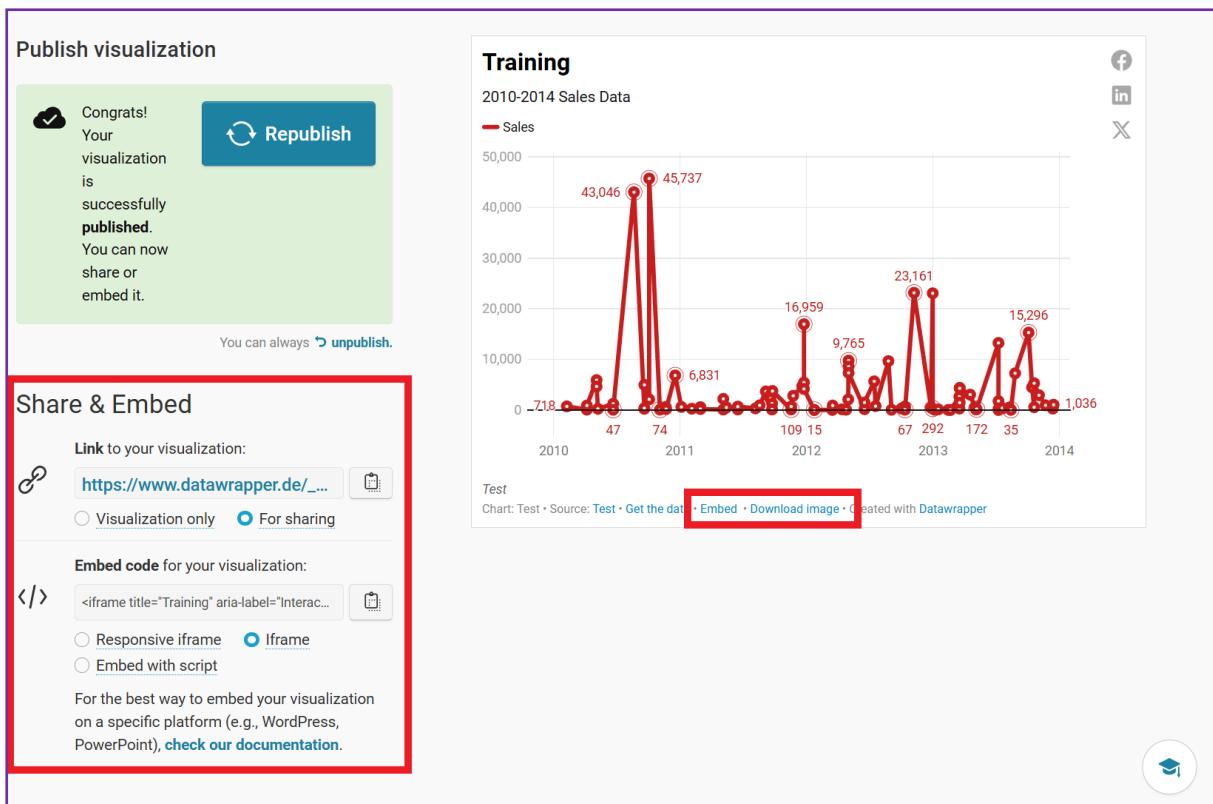
You'll need to **publish** this visualization before **embedding** it on your website or **sharing** it on social media.
 Your published visualization will still only be visible to people who know its URL. **We won't share it publicly.**

Export visualization ↑
 PNG PDF SVG
 ZIP

Duplicate visualization

Training
 2010-2014 Sales Data
 — Sales

 Test
 Chart: Test • Source: [Test](#) • Get the data • Embed • Download image • Created with [Datawrapper](#) ↗

10. Once published, the chart can be shared via a link or social media share buttons. It can also be downloaded as an image or embedded into your website.

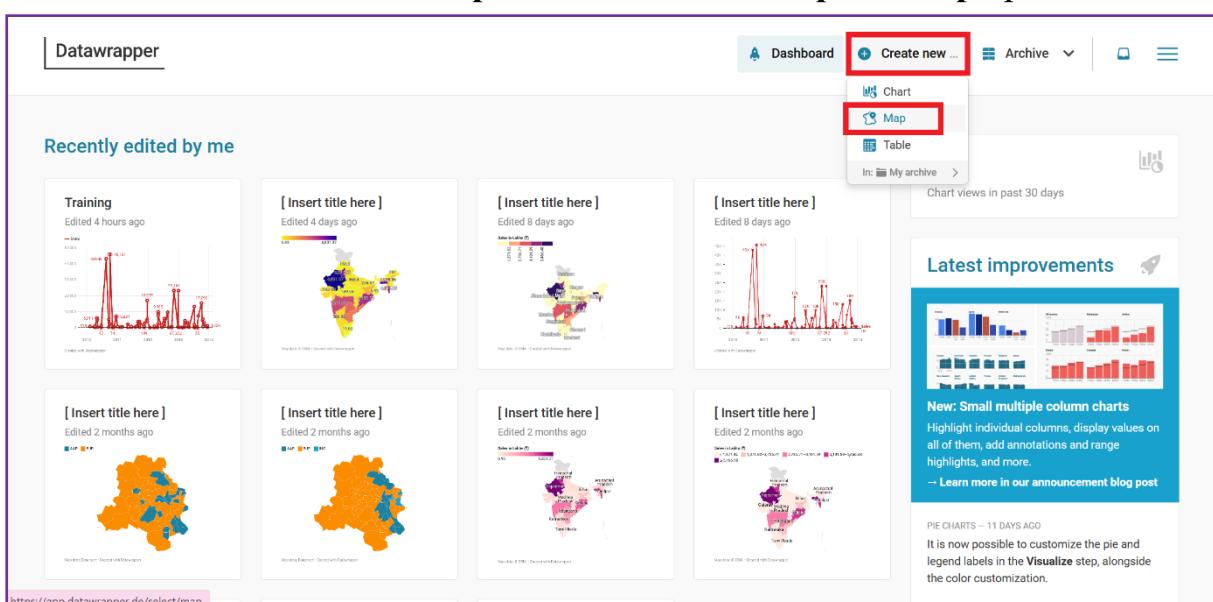


Map Creation

1. Download State Vs Sales excel file from the link.

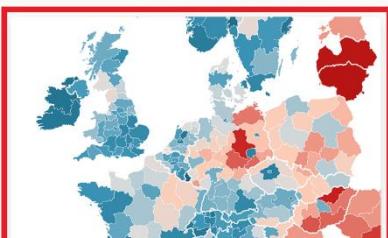
https://docs.google.com/spreadsheets/d/1dTrONJsAKoFB7hA_oy7Z5aMyz03uTRw2/edit?usp=drive_link&ouid=110629829119592692466&rtpof=true&sd=true

2. Click on **Create new → Map** and select the **Choropleth map** option.



What kind of map do you want to create?

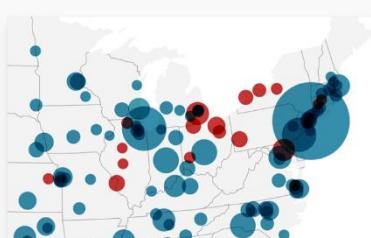
Choose the map type that fits your data:



Choropleth map

Color regions to show data like unemployment rates or election results on a map. Upload your own map or use any of our more than 3000 maps. The resulting map is responsive & interactive.

[Learn more about choropleth maps](#)



Symbol map

Create symbols sized and colored according to your data. Works great for specific locations (like cities). Upload your own map or use any of our more than 3000 maps. The resulting map is responsive & interactive.

[Learn more about symbol maps](#)



Locator map

Add markers to a map to show where something is located or happened, e.g. events within a city. Perfect for showing readers the places you mention in an article. The resulting map is responsive and static.

[Learn more about locator maps](#)

3. Choose the Map India » States and Union Territories (2020) and click on Proceed.

This map is in  My archive 

1 Select your map  2 Add your data  3 Visualize  4 Publish & Embed 

 **Choropleth map** 

What type of map do you want to create?

india state  or Upload Map

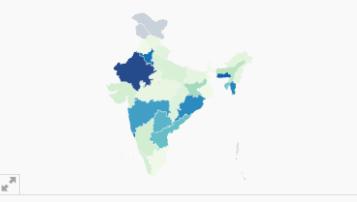
India » States and Union Territories (2020) 

India » States and Union Territories » 2017
 India » States and Union Territories (2016)
 USA » Indiana » Metropolitan and Micropolitan Statistical Areas (CBSA)
 USA » Indiana » Census Tracts (2020)
 USA » Indiana » State Legislative Districts Lower (2020)
 USA » Indiana » Congressional Districts (2022)
 USA » Indiana » State Legislative Districts Lower (2022)
 USA » Indiana » State Legislative Districts Upper (2022)




4. Copy and paste the table data into Datawrapper. Alternatively, you can upload XLS/CSV files, connect a Google Sheet, or link to external data sources. Go to the Check tab and click on Proceed. If any content is highlighted in red, resolve the errors before moving to the visualization step.

1 Select your map ✓ 2 Add your data 3 Visualize 4 Publish & Embed



Now your map needs data!

We prefilled the table with *Name* keys.
You can start adding your values or upload your own file.

Upload **Match** **Check ▲**

Upload a file (CSV or Excel)
You can also simply drop it here **Upload file**

OR

Copy & paste your data (including header row/column): ?
Paste your data here or directly into the table →

A	Name	B	Values
1	State/Union Territory		Sales in Lakhs (₹)
2	Andhra Pradesh		2,634.86
3	Arunachal Pradesh		281
4	Assam		1,835.86
5	Bihar		236.87
6	Chhattisgarh		370.91
7	Goa		4,976.92
8	Gujarat		552.03
9	Haryana		5,297.63
10	Himachal Pradesh		155.9
11	Jharkhand		1,481.84
12	Karnataka		586.96
13	Kerala		560.51
14	Madhya Pradesh		189.95
15	Maharashtra		3,761.12
16	Manipur		243.37
17	Meghalaya		5,911.35
18	Mizoram		4,649.85
19	Nagaland		257.39
20	Odisha		4,485.54
21	Punjab		16.6
8	unused		✓

OR

Connect a remote data set ?
Link external data **Connect Google Sheet**



Now your map needs data!

We prefilled the table with *Name* keys.
You can start adding your values or upload your own file.

Upload **Match** **Check ▲**

Make sure the data looks right.

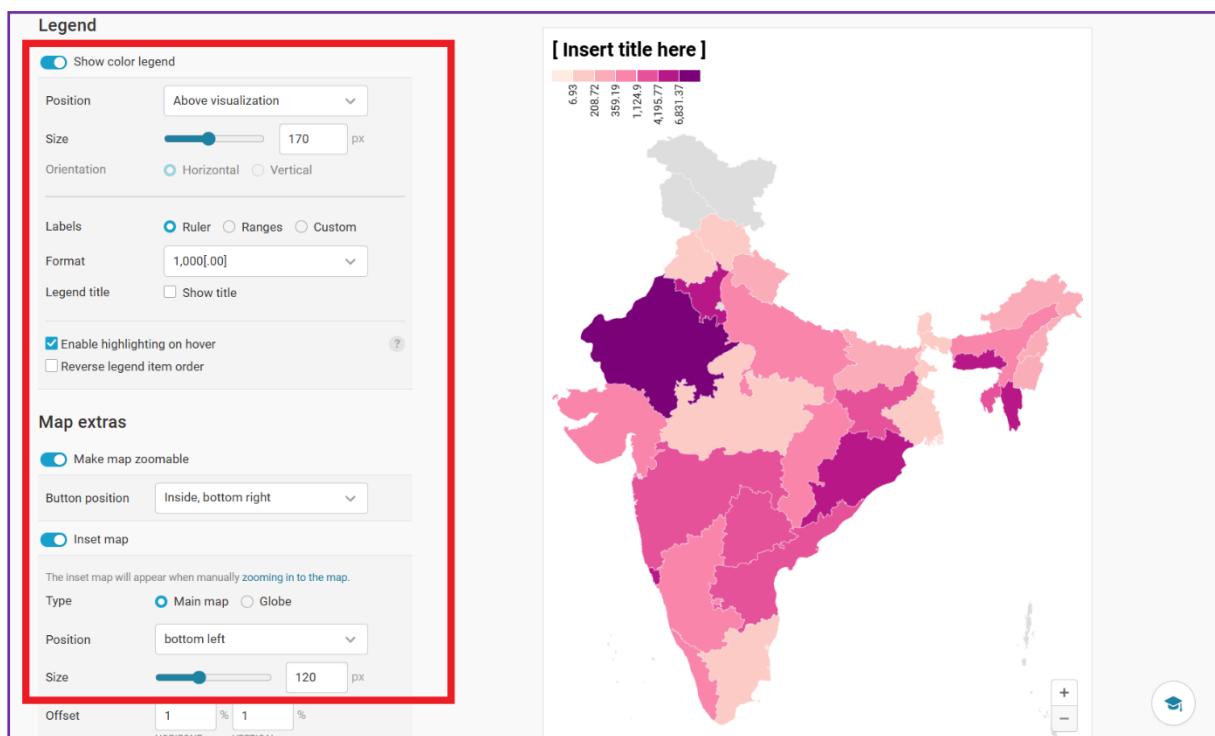
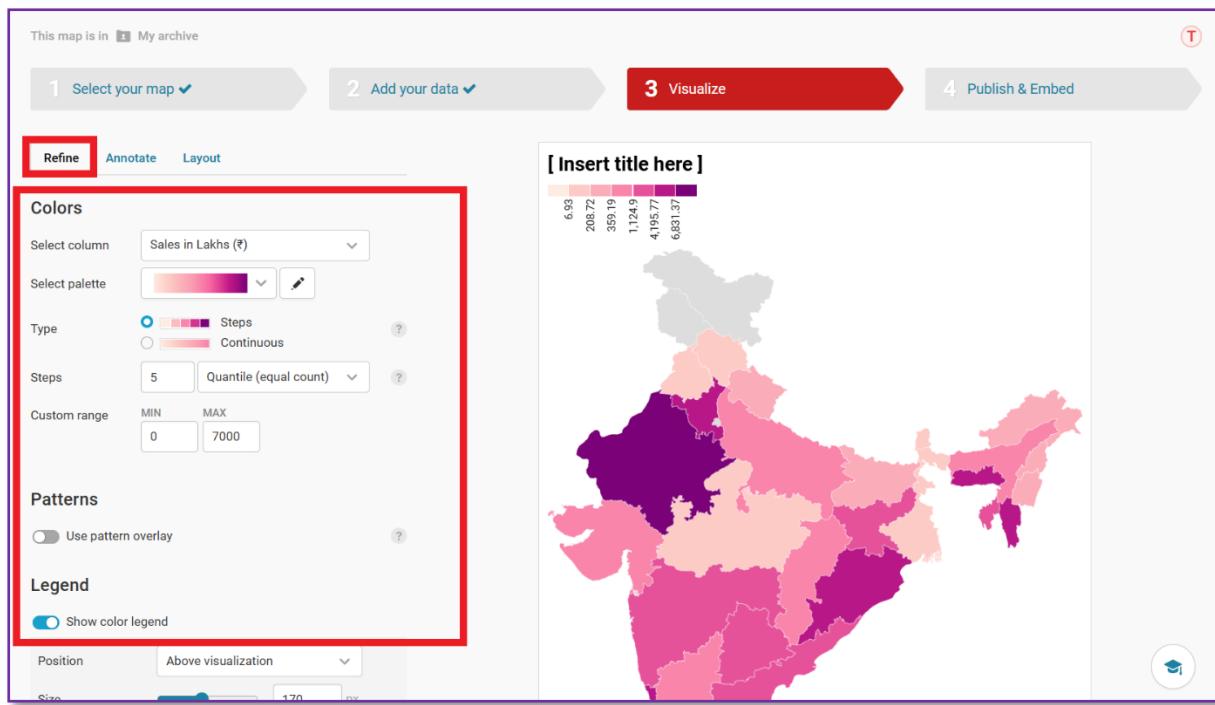
You can set **number**, **date**, and **text** columns using the menu in the column header. A red cell indicates missing data or a problem that needs to be fixed. Cells marked with — contain no data.

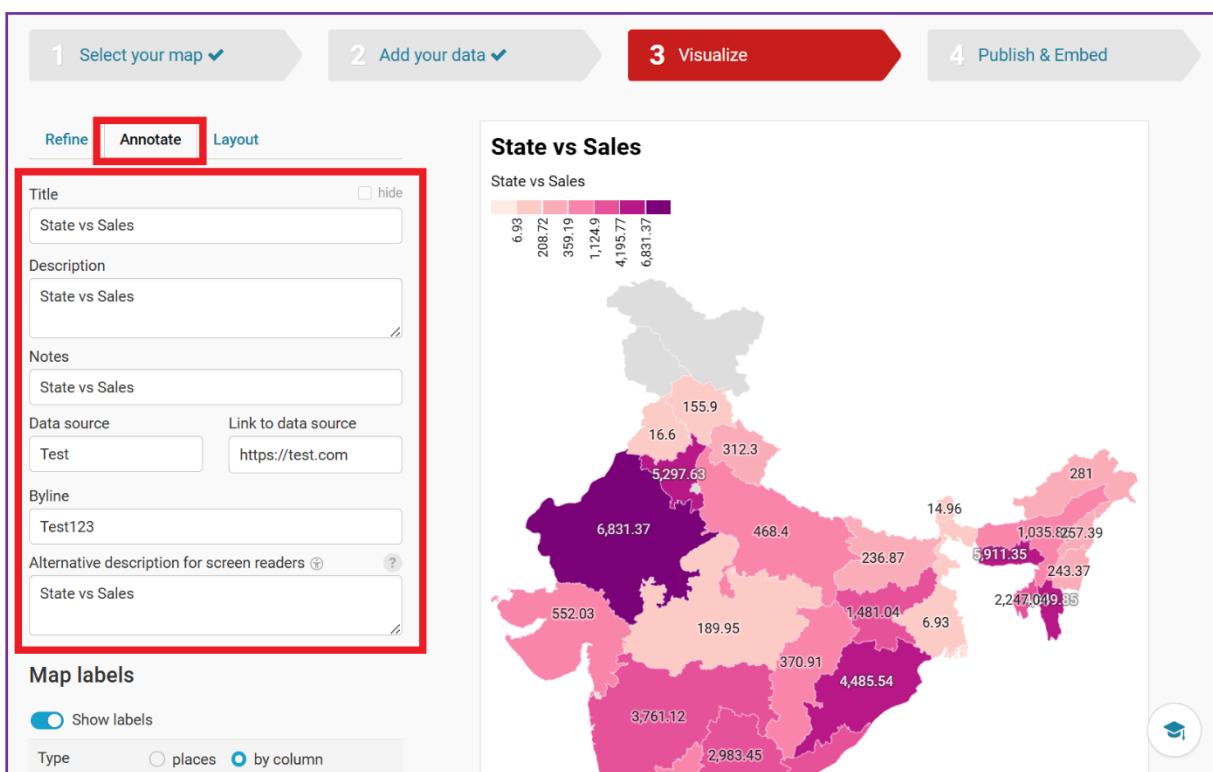
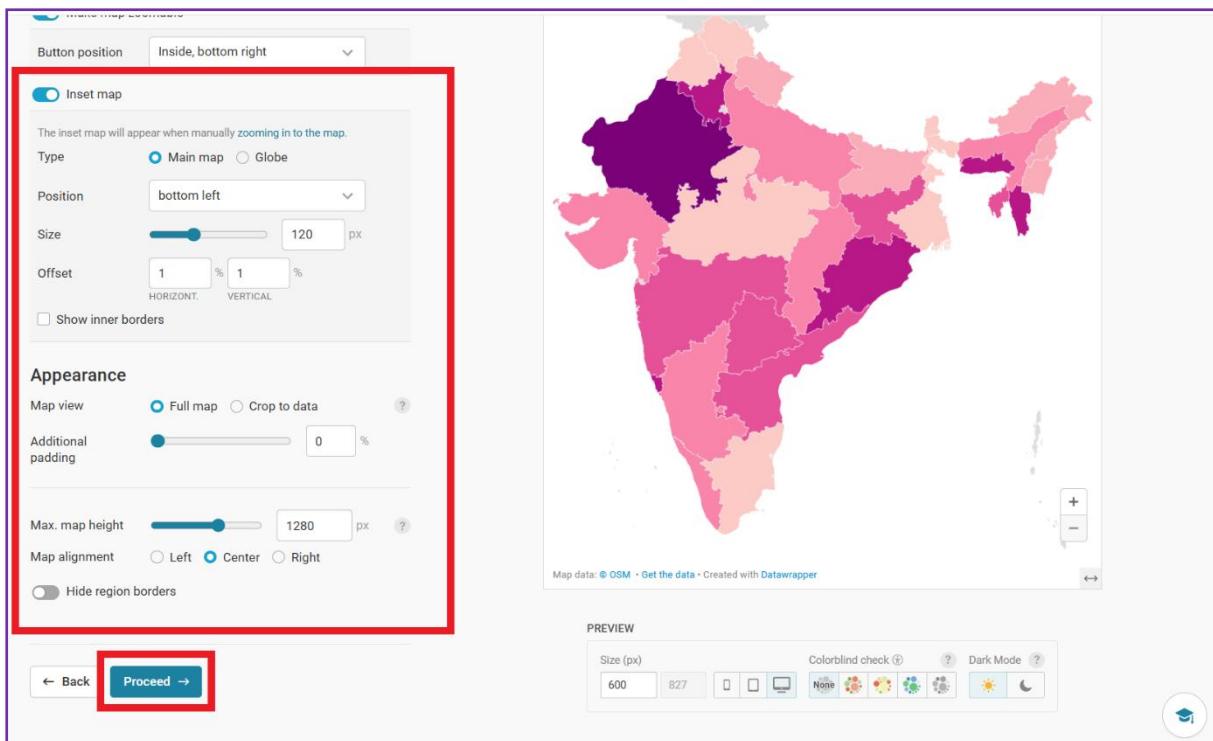
8 entries for this map are not in use. You can see them at the **end of the table**. These will be grayed out in the map.

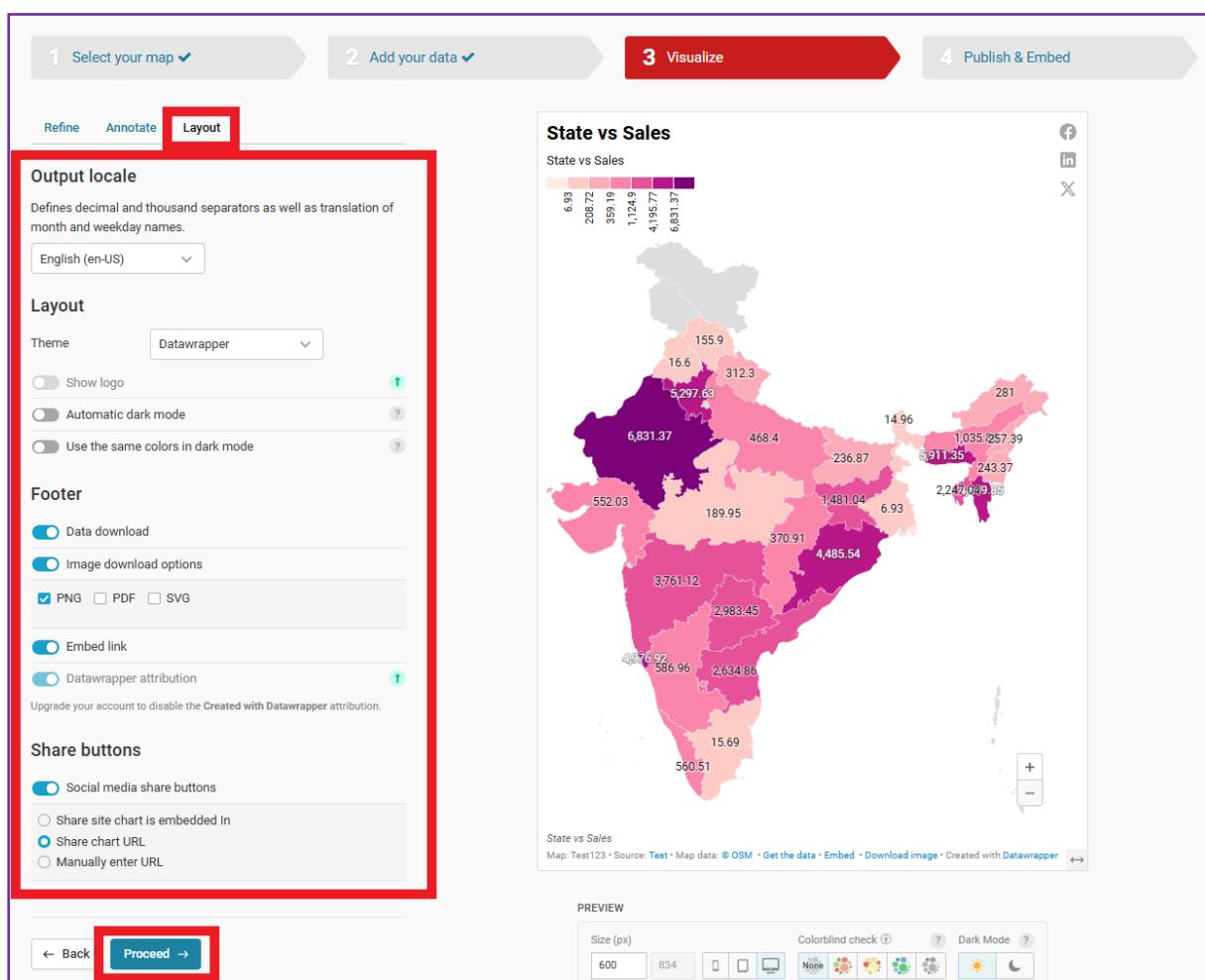
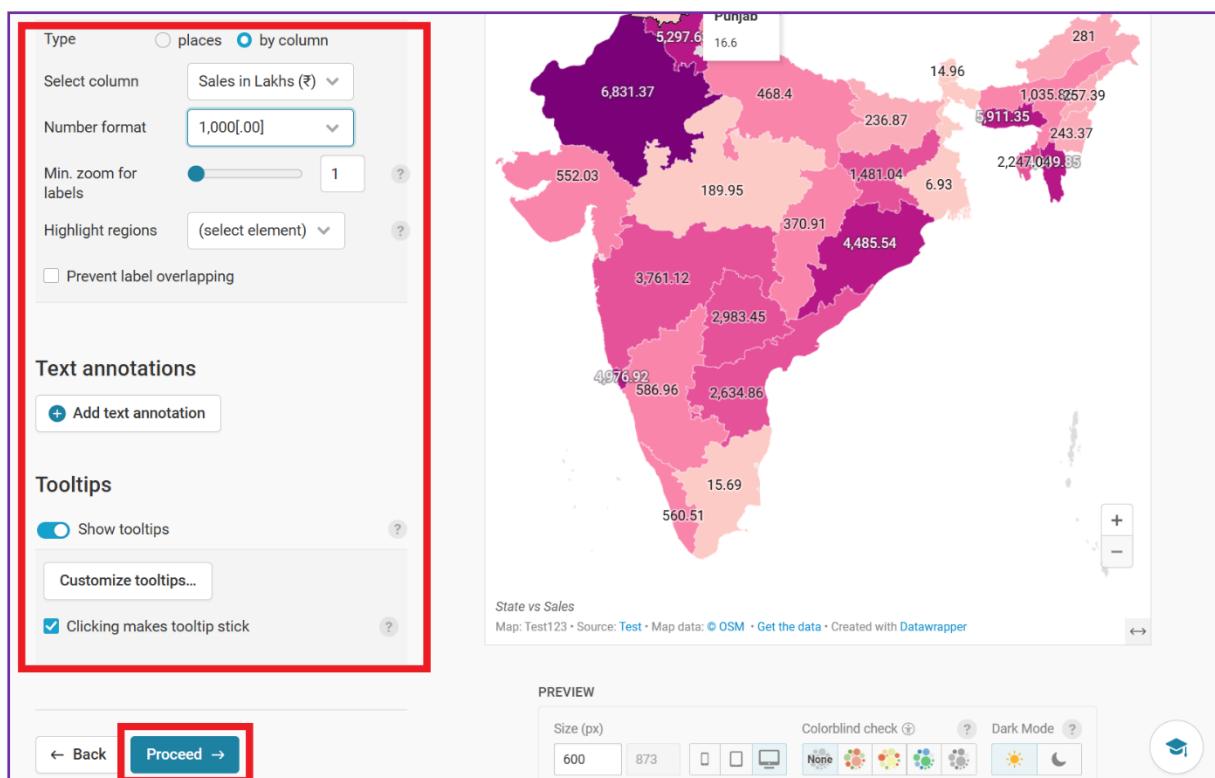
← Back **Proceed →**

A	Name	B	Values
1	State/Union Territory		Sales in Lakhs (₹)
18	Nagaland		257.39
19	Odisha		4,485.54
20	Punjab		16.6
21	Rajasthan		6,831.37
22	Sikkim		14.96
23	Tamil Nadu		15.69
24	Telangana		2,983.45
25	Tripura		2,247.04
26	Uttar Pradesh		468.4
27	Uttarakhand		312.3
28	West Bengal		6.93
29	Andaman and Nicobar Islands		—
	Chandigarh		—
	Dadra and Nagar Haveli and Daman and Diu		—
	Delhi		—
	Jammu and Kashmir		—
	Ladakh		—
	Lakshadweep		—
	Puducherry		—
8	unused		✓
8	unused		✓

5. An India map with states and sales data will be generated. You can apply styling and customizations as needed.







6. Click on **Publish now** to finalize and share your map.

1 Select your map ✓

2 Add your data ✓

3 Visualize ✓

4 Publish & Embed

Publish visualization

Your visualization is not published.

Publish now

You'll need to **publish** this visualization before **embedding** it on your website or **sharing** it on social media.

Your published visualization will still only be visible to people who know its URL. We won't share it publicly.

Export visualization

PNG **PDF** **SVG** **ZIP**

Duplicate visualization

Click to [create a copy of the visualization](#) in the same folder and open it.

State vs Sales

State vs Sales

6.98
208.72
389.19
1,124.9
4,195.77
6,831.37

155.9
16.6
312.3
5,297.63
6,831.37
468.4
236.87
14.96
281
1,035.257.39
5,911.35
243.37
2,247.049.35
552.03
189.95
1,481.04
6.93
370.91
4,485.54
3,761.12
2,983.45
4976.92
586.96
2,634.86

Share & Embed

Link to your visualization | https://www.datawrapper.de/_/5nhwk/ 

Visualization only For sharing

Embed code for your visualization:

```
</>
```

Responsive iframe Iframe 

Embed with script

For the best way to embed your visualization on a specific platform (e.g., WordPress, PowerPoint), [check our documentation](#).

Allow reuse of this visualization

You can increase reach by allowing other users to adapt and reuse your chart. Click here to [add your chart to River](#).

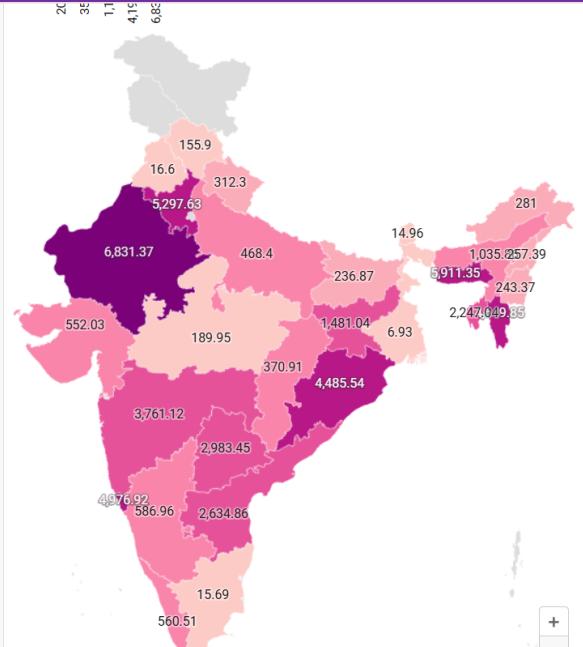
Export visualization

 1

 PNG  PDF  SVG  ZIP

Duplicate visualization

 Click to create a copy of the visualization in the same folder and open it



State vs Sales

Map: Test123 · Source: Test · Map data: © OSM · Get the data · Embed · Download image · Created with Datawrapper